KARDASH, I. B., et al., Zhurnal Mikrobiologii Epidemiologii i Immunobiologii, No 12, 1972, pp 124-128

stations and submitted to the municipal or oblast stations where they were recorded and checked again. Next, they were sent to the Belorrusian Institute of Epidemiology and Microbiology for the third check, and from there to the Computer Center of Belorussia's Central Statistical Administration where the data were transferred on perforated tapes and processed on the computer. The method yielded statistical charts with more accurate and detailed information method yielded statistical charts with more accurate and detailed information then was ever available in the past. The method was approved by the Ministry of Health USSR and, in 1970, it was introduced on a permanent basis in epidemiological stations throughout the Belorussian SSR.

2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

UNCLASSIFIED

PROCESSING DATE--230CT70

1/2 024 TITLE--CLINIC AND TREATMENT OF FUNNEL AND PIGEON BREAST -U-

AUTHOR--KNYSH, I.T.

COUNTRY OF INFO--USSR

SOURCE--ORTOPEDIYA, TRAVMATOLOGIYA I PROTEZIROVANIYE, 1970, NR 4, PP 27-32

DATE PUBLISHED ---- 70

SUBJECT AREAS--BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS--ORTHOPEDIC SURGERY, SUTURE, PROSTHETIC DEVICE

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1999/1727

STEP NO--UR/9115/70/000/004/0027/0032

CIRC ACCESSION NO--APO123531

UNCLASSIFIED

PROCESSING DATE--230CT70 UNCLASSIFIED 024 2/2 CIRC ACCESSION NO--APO123531 ABSTRACT. THE PROBLEMS OF SYMPTOMATOLOGY AND ABSTRACT/EXTRACT--(U) GP-O-TREATMENT OF 27 PATIENTS WITH FUNNEL AND 2 PATIENTS WITH PIGEON BREAST IN THIS SERIES THERE WERE 23 MALES AND 6 ARE DISCUSSED IN THE ARTICLE. FEAMLES WITH AGES RANGING FROM 2 TO 22 YEARS. GF 27 PATIENTS WITH FUNNEL CHEST, 19 PATIENTS UNDERWENT OPERATIVE TREATMENT (B PATIENTS WERE NOT OPERATED ON RECAUSE OF CONTRAINDICATION AND REFUSAL FROM OPERATION). TWO PATIENTS WITH PIGEON BREAST WERE TREATED OPERATIVELY. THE OPERATION OF RECONSTRUCTION OF THE ANTERIOR THORACIC WALL WAS DONE TO ALL OF THEM. EXTERNAL FIXATION WITH TRACTION SUTURES FIXED ON THE CARCASS HAS BEEN USED IN PATIENTS TO MAINTAIN THE CURRECTED POSITION. IN 10 PATIENTS FIXATION WAS EFFECTUATED WITH METAL PLATES. TECHNIQUE OF OPERATION AND MANAGEMENT OF PATIENTS IN THE POSTOPERATIVE PERIOD IS DESCRIBED. THE PERIODS OF FOLLOW UP AFTER OPERATION FLUCTUATED FROM 1 TO 4 YEARS. A GOOD COSMETIC AND FUNCTIONAL END RESULT WAS ACHIEVED IN 17 PATIENTS WITH FUNNEL AND 2 PATIENTS WITH PIGEON A PARTIAL RECURRENCE OF THE DEFORMITY ENSUED IN 2 PATIENTS WITH FUNNEL BREAST IN WHOM EXTERNAL FIXATION HAS BEEN PERFORMED IN THE FACILITY: KIEV INSTITUTA POSTOPERATIVE PERIOD. EKSPERIMENTALINDY I KLINICHESKOY ONKOLOGII AND DRTOPEDICHESKOGO OTDELENIYA Z-Y BOL'NITSY SHEVCHENKOVSKOGO RAYONA KIEVA.

UNCLASSIFIED

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

1/2

UDC: 621.373.431(088.8)

KIYSH, V. A.

"A Device for Charging a Storage Capacitor"

USSR Author's Certificate No 274159, filed 23 Jan 69, published 22 Sep 70 (from RZh-Radiotekhnika, No 6, Jun 71, Abstract No 6G275 P)

Translation: A device is proposed for charging a storage capacitor in a power pulse oscillator from a source of direct current. The device contains a paraphase self-excited oscillator which controls a static converter of DC to AC voltage whose thyristors are connected in a parallel inverter circuit (with buffer capacitor and linear choke in the supply circuit), and a power transformer. To reduce the overall dimensions of the supply source and improve efficiency, the anodes of one pair of rectifiers and the cathodes of another are connected to the output winding of the power transformer, the cathodes of the first pair of rectifiers being connected to two series-connected capacitors whose common point is connected to the anodes of the second pair of rectifiers, and through an additional linear choke to the negative lead of the storage capacitor. The positive lead of the capacitor is connected to the anodes of the first pair

- 133 -

KNYSH, V. A., USSR Author's Certificate No 274159

of rectifiers through two additional thyristors whose controlling electrodes are connected to the self-excited oscillator of the converter. To reduce the nonuniformity of the load on the supply source, the static converter contains two or more single-phase inverters, the controlling converter of their thyristors being connected to the output of the self-excited oscillator with a corresponding number of phases. The additional linear chokes of the second and subsequent inverters are connected to the negative lead of the storage capacitor, the cathodes of the additional thyristors are interconnected, and the controlling electrodes are connected to the self-excited oscillator.

2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

upg 621.314.14(088.8)

USSR

NAYMUSHIN, V.A., NIKOLAYEV, A.G., KNYSH, V.A., KONCHENKOV, P.YE.

"Device For Increase Of A-C Voltage Without A Transformer"

USSR Author's Certificate No 261472, filed 7 June 68, published 28 May 70 (from RZh--Elektronika i yeye primeneniye, No 12, December 1970, Abstract No 128533P)

Translation: A source of a-c voltage is connected with a load across an inductive-capacitance converter. There is a rectifier bridge, the input diagonal of which is connected in parallel to one of two series-connected capacitors of the converter, and the output is connected between the collector and emitter of a transistor. Between the inductive element of the filter and the emitter of the transistor, a network [tsepochka] is connected of a series-connected transistor and a variable resistor, the movable arm of which is connected across a stabilitron with the transistor base. After breakdown of the stabilitron, the transistor is opened and shunting of the capacitor connected with the bridge takes place. The oscillation frequency of the converter and its Q-factor are reduced, which is accompanied by a reduction of the voltage at the load. As a result, the average value of the voltage at the load is maintained constant. Regulation of the output voltage of the device is also possible. 1 ill. V.Sh.

1/1

UDC 615.616.24-003.656.6

KHAMITOVA, V. Z., KNYSH, V. S.

"Problem of Pneumoconiosogenic Properties of Different Dust Samples from Superphosphate Production"

Tr. NII krayev. patol. KazSSR (Works of the Scientific Research Institute of Marginal Pathology of the Kazakh SSR), 1972, No 23, pp 93-95 (from RZh--Farmakologiya. Khimioterapevticheskiye Sredstva. Toksikologiya, No 3, Mar 73, Abstract No 3.54.897)

Translation: For 12 months, rats were administered intratracheally 50 mg of simple superphosphate dust suspension containing 25 percent U₂O₅, 40 percent CaO, 2 percent Al₂O₃ and Fe₂O₃, 2 percent F and 5-19 percent SiO₂ (first group), granulated superphosphate of almost the same composition (second group) and ammophos containing an admixture of MH₂ (third group). In the animals in the first group after one to three months marginal pulmonary emphysema, desquamation and tearing away of the bronchial epithelium, constriction and sometimes obliteration of the vessels, and so on were detected. After 6-12 months, exudate appeared in the lumen of the bronchi and alveoli, connective tissue nodes and indurations 1/2

USSR

KHAMITOVA, V. Z., KNYSH, V. S., Tr. NII krayev. patol. KazSSR, 1972, No 23, pp 93-95

developed in the pulmonary parenchyma comprising lymphoid cells and collagenic fibers. In the animals of the second group, analogous, but more sharply expressed symptoms of the development of nodular-diffuse pneumoconiosis were noted. This process developed still more intensely in the animals of the third group. It is considered that the primary toxic effect is caused by the P₂O₅, F and NH₃.

2/2

. 8A -

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USS₽

UDC 669.15-194:669.295:621.785.65.55.39.389.3:620.183.6

GRINBERG, B. G., PASHKOV, P. P., PINCHUK, P. A., KNYSHEV, Yu. V., and SHTEYN, L. M., All-Union Correspondence Construction Engineering Institute

"X-Ray Microanalysis of the Diffusion Layer in Titanium-Steel Bimetal"

Moscow, Izvestiya Vysshikh Uchebnykh Zavedeniy, Chernaya Metallurgiya, No 7, 1973, pp 133-135

Abstract: Investigation results are presented of diffusion processes in the bimetal VT1-1 titanium + E1702(N36TYu) alloy. The bimetal was produced by means of joint rolling of E1702 alloy, heated in argon, with cold VT1-1 titanium. The thickness of the bimetal was 0.12-1.2 mm, that of the covering was 10% of this. Parts was 0.12-1.2 mm, that of the covering was 10% of this. Parts from the bimetal were hardened from 950-1000°C and subjected to from the bimetal were hardened from 950-1000°C and subjected to hardening temper (aging) at 650-700°C for 2-6 hrs. The redistribution of iron, nickel, and chromium from E1702 alloy into tribution of iron, nickel, and chromium from E1702 alloy into VT1-1 titanium was determined. By comparison of the microhardness,

1/2

- 59 -

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

GRINBERG, B. C., et al., Izvestiya Vyschikh Uchebaykh Zavedeniy, Chernaya

Metallurgiya, No 7, 1973, pp 133-135

the electron-topography, and the characteristic X-ray radiation with concentration redistribution curves of iron, nickel, and chromium, the character and regularities of the formation of diffusion zones in the process of production and of heat treatment of the bimetal were exposed. One figure, three bibliographic references.

2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

UDC 681.325.65

USSR

VAL'SKIY, B. G., KNYUPFER, A. P., SOLOPCHENKO, G. N.

"A Device for Automatically Measuring the Statistical Characteristics of Random Errors of Analog-Digital Converters"

USSR Author's Certificate No 319065, Division H, G, filed 8 Jun 70, published 25 Jan 72 (from RZh-Avtomatika, Telemekhanika i Vychislitel'naya Tekhnika, No 11, Nov 72, abstract No 11B329 P)

Translation: This invention, which applies to the field of measurement technology, is designed for measuring the integral distribution function of analog-digital voltage-to-code converters and digital voltmeters for practically any ratios between the mean square deviation of the error and a unit in the least significant place of the instrument code. A device is known for automatically measuring the statistical characteristics of random errors of analog-digital voltage-to-code converters which contains the instrument to be studied, a control device, and an arithmetic unit. However, this device can be used to determine the statistical characteristics of random errors only for the case in which the noise level at the input to the instrument is greater than its digital error. The purpose of the invention is to enable measurement of the integral distribution function of random

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

VAL'SKIY, B. G., et al., USSR Author's Certificate No 319065

errors in analog-digital voltage-to-code converters. In order to achieve this, a master code-to-voltage converter, digital reset device, and digital comparison circuit are added to the installation. The input of the instrument to be studied is connected to the output of the master code-to-voltage converter, and the counting input of this converter is connected to the output of the control device. The separate inputs are connected to the outputs of the digital reset device and to one of the inputs of the digital comparison circuit. The other input of the comparison circuit is connected to the digital outputs of the instrument to be studied, and the output is connected to the arithmetic unit.

2/2

- 57 -

UDC 621.317.64

KNYUPFER, A. P.

"Methods of Estimating the Accuracy of Digital Voltmeters and Analog-to-Digital Converters During Testing and Inspection"

V sb. Tochnost' radioelektron. apparatury (Accuracy of Electronic Equipment -- Collection of Works), Sb. 1, Moscow, 1971, pp 122-128 (from REAL-Avtomatika, Telemekhanika i Vychislitel'naya Tekhnika, No 1, Jan 72, Abstract No 1A359 by B. U.)

Translation: The article considers some methods for experimental estimation of the characteristics of instrumental error, reduced to input, for digital voltmeters and analog-to-digital converters under static conditions, particularly a method for experimental estimation of a univariate, instrumental error distribution law. Two illustrations. Bibliography with 3 titles.

1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

UDC 535.376:621.382

USSR

POPOV, Yu. V., SHILOV, A. F., MANAK, I. S., KOBAK, I. A., FIGURIN, V. A.

"Nonuniformity of Glow and Percentage Modulation Lengthwise of P-N Junction in GaAs Diodes"

Vestn. Belorus. un-ta (Bulletin of Belorussian University), 1970, Series 1, No 3, pp 63-64 (from RZh--Elektronika i yeye primeneniye, No 5, May 1971, Abstract No 5B232)

Translation: The results are presented of a study of the nonuniformity of glow and percentage modulation of a p-n junction in GaAs diodes, which can be accounted for by the nonuniformity of distribution of impurities. 2 ill. 4 ref. Summary.

1/1

UDG 621.385.6

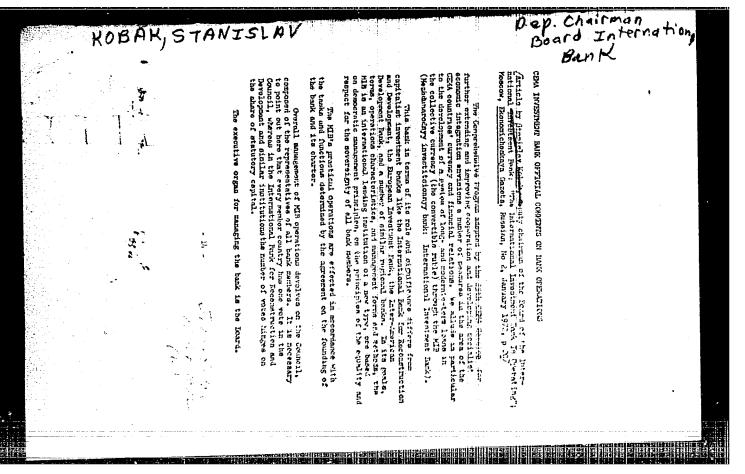
KCBAK N.N.

"Investigation Cf A System For Shaping An Oscillating Beam"

Vestn. Kiyev. politekhn. in-ta. Ser. radioelektron. (Bulletin Of The Kiev Polytechnical Institute. Radio Electronics Series), 1970, No 7, pp 45-47 (from RZh--Elektronika i yeye primeneniye, No 12, December 1970, Abstract No 12A184)

Translation: The paper investigates the electrostatic quadripole of a cylindrical--lamellate system with oblique lead-in of the electrons which form an oscillating electron flow. The experimental dependences of the passage of current on the electrical regime and the dimensions and the conditions of the lead-in of the electrons in the system are presented. 4 ref. Summary.

1/1



The extends interest of the interest and anyone include, included by the objective necessity for the most offerty antiletic.

Each include necessity for the most of interest in the color of the color of the color of the contract of the city factor of the decimal of the decimal of the economy of the economy of each construction of the economy of each construction.

The bank server the branch of control invariants and home participates in structuring the material-technical bare of the socialist system.

The HEPs leade truck to the extend longer and necessary leads optimizedly for amplicability measures consocted with the increment and socialist districts of theory the electrication of the hardward for the electrication and coordination and coordination of the rest enternal and feed have in the joint interest, the construction of objects in other sections of the method of objects in other members' communication of method interest for the devialence of the invitability objects, constructing to the devialence of the invitable construction and for achieving other goals in line with tucks.

Ison-funded objects must correspond to the highest technical level and ensure the subjects high-quality good at world runner prices.

In setting up the bank, the founding countries preceded free the

In metting up the bank, the femnling countrian proceeded from the abcountly for organically connecting its operations that the spaces of groupers to further develop socialist stonesmic intermation, to manually draw tegether and even the levels of securing the of the life CEN, new of creating that the observance of the principle of the life effective considering with the appropriate organs white mattern connected with considering the CEM countries show that the area of central considering the CEM countries sometic plans in the area of central investments.

In solving the DEM countries sometic plans in the area of central investments objects of intermatic cereal bank removes, the bank taken into account the resonant teneral bank removes, the countries at attended to account the resonants on coordinating the countries or other contracts on the construction of intermatic and the examines or other contracts on the construction of entergrand and the sale of output to be precised by them.

Buck lonts are of a pismed, specific purpose nature and are extended on the busis of repayment turns. Nationate turns long are generally extended for a paried of up to 5 years, long-term long-for a period of up to 15 years, with the participation of the borrowers own means in the Auding. In some cases, however, bank loans cover the entire cout of an object.

The current interpret rates on moderate- and long-term loams extended in convertible rubles range from 4 to 6 percent. Those rates are markedly

APPROVED FOR RELEASE: 09/17/2001

Ţ

٠ چ

CIA-RDP86-00513R001401410009-1"

UDC 616.13-002.2

USSR

GVISHIANA, G. S.; KOBAKHIDZE, N. G.

"Dynamics of Shifts in Lipids, Monoamines and the Coagulation System of the Blood During Atherosclerosis Caused by Restriction of Movement"

Tbilisi, Soobshcheniya Akademii Nauk Gruzinskoy SSR, Vol 60, No 2, Nov 70, pp 445-447

Abstract: Shifts in the composition of lipids, catechol-amines and in the coagulation system of the blood were studied in different periods of experimental atherosclerosis (1, 2, 3, and 4 months). The same indexes were studied in the tissue of the months). The same indexes were studied in the tissue of the myocardium, liver, and reticular formation of the brain stem of myocardium, liver, and reticular formation of the brain of the animals at the end of the experiment. At the beginning of the experiment, periodic restriction of movement produced in rabbits experiment, periodic restriction of movement produced in rabbits an increase in the content of beta-lipoproteins in the blood. It was established that the content of total cholesterol had increased and the lecithin-cholesterol index had decreased at increased and the experiment. In the thalamus, an increase in the

1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

GVISHIANA, G. S., et al, Soobshcheniya Akademii Nauk Gruzinskoy SSR, Vol 60, No 2, Nov 70, pp 445-447

total cholesterol and beta-lipoproteins was observed, while the lecithin-cholesterol index decreased. The content of betalipoproteins in the myocardium and that of total cholesterol in the reticular formation of the brain stem increased. The content of catechol-amines was elevated at the beginning of the experiment. During the first months an increase in the level of free adrenalin was observed, while in subsequent months the level of adrenalin in the blood decreased and that of nonadrenalin increased.

2/2

= 78 -

UDC 616.13--002.2

USSR

GVISHIANI, G. S., and KOBAKHIDZE, N. G.

"Dynamics of the Shifts in Lipids, Monoamines, and the Blood Coagulation System Associated With Atherosclerosis Caused by Restriction of Movement"

Tbilisi, Soobshcheniya Akademii Nauk Gruzinskoy SSR, Vol 60, No 2, Nov 1970, p 447

Translation: Shifts in the composition of lipids and catecholamines and in the blood coagulation system were studied at various times during the onset of experimental atherosclerosis (after one, two, three, and four months). Following decapitation of the animals at the conclusion of the experiment, the same indices were studied in the tissue of the myocardium, the liver, and the reticular formation of the brain stem.

Periodic restriction of movement caused an increase in the beta-lipoproteins present in the blood of rabbits at the beginning of the experiment. An increase in total cholesterol and a reduction of the lecithin-cholesterol index were established at the end of the experiment. An increase in total cholesterol and beta-lipoproteins and a reduction of the lecithin-cholesterol

GVISHIANAI, G. S., and KOBAKHIDZE, N. G., Soobshcheniya Akademii Nauk Gruzinskoy SSR, Vol 60, No 2, Nov 1970, p 447

index were noted in the thalamus. Beta-lipoproteins in the myocardium increased and there was an increase in overall cholesterol content in the reticular formation of the brain stem; the percentage of catecholamines present at the beginning of the experiment was increased. In the first months, free adrenaline generally increased, but in the following months the adrenaline in the blood decreased and the noradrenaline increased.

2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

PROCESSING DATE--230CT70 UNCLASSIFIED TITLE--CALCULATION OF PLATES OF ARBITRARY PLANFORM ARBITRARILY CLAMPED AT 019

THE EDGES AND SUPPORTED SPANWISE BY ELASTIC BEAMS -U-

AUTHOR-(02)-KAKUSHADZE, A.M., KOBAKHIDZE, SH.S.

COUNTRY OF INFO--USSR

SOURCE--AKADEMIIA NAUK GRUZINSKOI SSR, SOOBSHCHENIIA, VOL. 57, JAN. 1970,

P. 109-112

DATE PUBLISHED----70

SUBJECT AREAS--MECH., IND., CIVIL AND MARINE ENGR

TOPIC TAGS--BOX BEAM, ELASTICITY, FLAT PLATE, THIN PLATE STRUCTURE, GREEN FUNCTION

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1996/1689

STEP NO--UR/0251/70/057/000/0109/0112

CIRC ACCESSION NO--APOLI8667 unclassified

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

2/2 019

UNCLASSIFIED

PROCESSING DATE--230CT70

CIRC ACCESSION NO--APOLL8667

ABSTRACT-EXTRACT--(U) GP-0- ABSTRACT. DISCUSSION OF PROBLEMS OF PLATES

OF ARBITRARY PLANFORM AND ARBITRARY END CONDITIONS AND FOR PLATES

SUPPORTED AT THE EUGES BY ELASTIC BEAMS. A BASIC SYSTEM OF EQUATIONS

SUPPORTED AT THE EUGES BY ELASTIC BEAMS. A BASIC SYSTEM OF EQUATIONS

FOR PROBLEMS OF THIS TYPE IS DERIVED, AND AN INFLUENCE GREEN'S FUNCTION

FOR THIS SYSTEM IS OBTAINED. SOLUTIONS TO THESE PROBLEMS ARE OBTAINED

BY THE METHOD OF INITIAL PARAMETERS.

UNCLASSIFIED

K

USSR

UDC 614.73.014.45

KOPAKHIDZE, Z. V., Experimental Division, Institute of Health Resorts and Invisionerapy of Georgia, Toilisi

"Mechanism of Action of Ultrasonic Oscillations on Smooth Muscles"

Moscow, Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury, No 3, May/Jun 70, pp 248-253

Abstract: The rapeutic intensities of ultraspund lead to functional snifts in the albumin-lipid-carbohydrate structure of smooth muscle, as expressed by changes in absorption of vital dyes. Concurrently changes take place in the content of adenosine mono-, -di-, and -tri- phosphates in smooth muscles. Ultrasound affects phosphorylation processes, which are responsible for resynthesis of ATP. Ultrasound treatment resulted in altered conformational structure of albumin. It is assumed that functional shifts in smooth muscles occur at the molecular level.

1/1

UDO 621.382.002

TKACHUK, B.V., KOBALI, A.A.

"On The Possibility Of Using Thin Films Of Silicon Dioxide Prepared In A Glow-Discharge For Production Of Low-Temperature Semiconductor Devices"

Elektron. tekhnika. Nauch.-tekhn.sb. Kriogen. elektronika (Electronics Technology. Scientific-Technical Collection. Cyrogenic Electronics), 1971, Issue 1(3), pp 163-166 (from RZh:Elektronika i yeye primeneniye, No 10, Oct 1971, Abstract No 10B366)

[No abstract]

1/1

UNCLASSIFIED PROCESSING DATE--11DEC70

TITLE--EXPERIMENTAL STUDY OF THE EFFECT OF CARBOORCHEN ON THE ISCHEMIC

MYDEARETER -U-ALTHUR-104)-DZHAVAKHISHVILI, N.A., KUBALADZE, S.G., GIBRADZE, T.A.,

TSAGARELI. Z.G.

CCUNTRY OF INFO--USSR

SCURCE-ARZNEIM., FERSCH. 1970, 2013A), 440-1.

DATE PUBLISHED----70

SUBJECT AREAS-BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS--MYCCARDIUM, DUG, ARTERY, CARDIEVASCULAR DRUG, DEUG EFFECT

CENTREL MARKING-NO RESTRICTIONS

DUCUMENT CLASS--UNCLASSIFIED PROXY FICHE NU---FD70/605015/FO2 STEP NU---GY/0000/70/020/003/0440/6441

CIRC ACCESSION NO-APO140632

UNCLASSIFIED

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

UNCLASSIFIED

PROCESSING DATE--110EC70

2/2 019

CIRC ACCESSION NG--APO140632

ABSTRACT-(U) GP-O- ABSTRACT. IN DOGS WITH EXPIL. CARDIAC

ABSTRACT/EXTRACT--(U) GP-O- ABSTRACT. IN DOGS WITH EXPIL. CARDIAC

ARTERY, CARBOCKCMEN ENHANCED VASCULARIZATION, MAINTAINED INTACT MUSCLE

ARTERY, CARBOCKCMEN ENHANCED VASCULARIZATION, MAINTAINED INTACT MUSCLE

FIBERS, INCREASED RETROGRADE 6LOOD FLOW AND LYMPH DRAINAGE, AND RESTORED

FIBERS, INCREASED RETROGRADE 6LOOD FLOW AND LYMPH DRAINAGE, AND RESTORED

FIBERS, INCREASED RETROGRADE 6LOOD FLOW AND LYMPH DRAINAGE, AND RESTORED

FACILITY: A. N.

VASCULAR PERMEABILITY IN THE INFARCTEC AREA.

NATISHVILI INST. EXPIL. MORPHOL., TBILISI, USSR.

UDG 537.511.33:546.289

GORELIK, S.S., KIREYEV, P.S., KOBAL CHUK, L.V.

"Investigation Of The Effect Of The Nature Of Dislocation Cn The Energy Structure And Radiative Recombination Of Germanium"

V sb. Materialy Vees. soveshchaniya po defektam struktury v poluprovodn. 1969. Ch. 2 (Materials Of The All-Union Conference On Defects Of The Structure In Semiconductors. 1969, Part 2--Collection Of Works), Novosibirsk, 1970, pp 155-172 (from RZh--Elektronika i yeye primeneniye, No 1, January 1971, Abstract No 1821)

Translation: Specimens were investigated of Ge doped with Sb with an electron concentration 2.4 x 15¹⁵ cm⁻³ with dislocations of various natures. The non-dislocated specimens were deformed in a vacuum with a pressure of 10⁻⁴ mm of mercury at 550° C by bending, and at 770° by twisting. Radiation was excited by gating of square pulses. The spectral composition of the radiation was analyzed by the IKS-12 monochromator and was recorded by a photoconductor cell, the signal from which was recorded by the EPP-092M. Injection of unbalanced charge carriers was made through a clemped contact. The investigation was conducted in the temperature range of 90-500° K. It is established that on the whole the presence of dislocations reduces the probability of a channel for radiative recombination. The nature of the dislocations influences the temperature dependence of a natural radiative recombination. 18 ref. V.B.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

UDC 536.423

RYBCHTSNSKAYA, G. B., KOBALEV, S. A.

"The Influence of the Transitional Boiling Mode on Propagation of Temperature Pulsations in a Rod"

Teplofizika Vysokikh Temperatur, Vol 9, No 6, 1971, p. 1226-1229.

Abstract: The problem is formulated of the propagation of temperature pulsations along a heat-conducting rod, on the surface of which a transitional boiling mode of a liquid is maintained, when there is a source of harmonic temperature oscillations at the free end and heat is applied to the root. The problem is reduced to determination of the dependence of the pulsation component in surface temperature on time and coordinates. It is demonstrated that the amplitude of the oscillations, due to the pecularities of heat transfer in the transient mode, can increase with decreasing distance from the root of the rod with a sufficiently high value of the constant characterizing the transitional boiling mode.

1/1

- 34 -

UBSR UDC: 550.838

LEBEDEV, N. N., GRIGOR'YEV, V. M., KLOCHEK, N. V., KOBAROV N. I., Siberian Institute of Terrestrial Magnetism, the Ionosphere and Propagation of Radio Waves, Siberian Department of the Academy of Sciences of the USSR

"A Method of Measuring Magnetic Field Strength"

Moscow, Otkrytiya, Izobreteniya, Promyshlennyye Obraztsy, Tovarnyye Znaki, No 13, May 72, Author's Certificate No 335652, Division G, filed 17 Aug 70, published 11 Apr 72, p 196

Translation: This Author's Certificate introduces a method of measuring magnetic field strength in accordance with Zeeman splitting of a spectral line. As a distinguishing feature of the patent, precision is improved by converting the left-hand and right-hand circularly polarized components of Zeeman splitting to linearly polarized components, spatially modulating the relative position of the components in the direction of dispersion, and measuring the oscillations of the light flux which are proportional to magnetic field strength.

1/1

UDC: 574.94

MONAKHOVA, T. Ye., PROSKURNINA, N. F., TOLKACHEV, O. N., KOBAHOV, V. S., PEREL'SON, M. Ye., All Union Scientific Research Institute of Medicinal Plants

"Alkaloids of Sophora Alopecuroides. 3-00-Hydroxysophoridine"

Tashkent, Khimiya Prirodnykh Soyedineniy, No 1, 1973, pp 59-64

Abstract: In a continuation of research on the alkaloids of Sophora alopecuroides, preparations were made from the aerial part of the plant in the fruitbearing stage. The sum of the alkaloids obtained by the conventional dichloroethane method (2.5%) was divided into fractions of strong and weak bases. The following alkaloids were distinguished in the fraction of weak bases by extraction with various solvents combined with aluminum exide chromatography: sophoridine, cytisine and three bases -- C13H18N2O2(III), C15H24N2O2 (IV), and C15H24N2O2 (VI). The fraction of strong bases yielded sophoridine, cytisine and baptifoline (V). This is the first time that the alkaloids cytisine and baptifoline have been isolated from this plant. Infrared and mass spectroscopy suggest the structure of 3%-hydroxysophoridine for base IV.

1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

UNCLASSIFIED PROCESSING DATE--020CT70

TITLE-THERMAL PROCESSES STUDIED DURING THE QUENCHING OF STEEL -U-

AUTHOR-(02)-FEDOROV, V.I., KOBASKO, N.I.

COUNTRY OF INFO--USSR

SOURCE--METALLOVED. TERM. OBRAB. METAL. 1970, (1), 66-9

DATE PUBLISHED-----70

SUBJECT AREAS -- MATERIALS

TOPIC TAGS--STEEL QUENCHING, THERMAL PROCESS, HEAT TRANSFER COEFFICIENT

EBSTABL BARKING--NO RESTRICTIONS

DUCUMENT CLASS--UNCLASSIFIED

PROXY REFL/FRAME--1988/1277 STEP NO--UR/0129/70/000/001/0066/0069 CIRC ACCESSION NU--APO106058

UNCLASSIFIED

and the second control of the second second

2/2 027 UNCLASSIFIED PROCESSING DATE--020CT70 CIRC ACCESSION NO--AP0106058 ABSTRACT/EXTRACT--(U) GP-O- ABSTRACT. RESULTS OF STUDIES OF DIFFERENT AUTHROS ON THERMAL PROCESS OCCURRING DURING THE QUENCHING OF STEEL ARE ANALYZED AND DISCUSSED. THE GENERALIZED BID CRITERION FOR DETN. OF THE QUENCHING CONDITIONS DOES NOT DEPEND ON THE SHAPE AND DIMENSIONS OF THE QUENCHED SPECIMENS. A SIMPLE EXPRESSION IS SUGGESTED FOR CALCN. OF THE EFFECTIVE HEAT TRANSFER COEFF. AS A FUNCTION OF THE SHAPE, DIMENSIONS, PHYS, PROPERTIES OF THE MATERIAL, AND CHARACTERISTICS OF THE COOLING AN EMPIRICAL EXPRESSION SUGGESTED BY FRENCH IS VALID FOR THE SELF REGULATING THERMAL PROCESSES ONLY, SINCE THESE OF NOT OCCUR IF THE CERTAIN MAX. AND MIN. DIMENSIONS OF THE SPECIMENS ARE EXCEEDED. **UNCLASSIFIED** dillin.

UNCLASSIFIED

PROCESSING DATE—OZOCTTO

CIRC ACCESSION NO—APOLOGOGS

ABSTRACT/EXTRACT—(U) GPO— ABSTRACT. WITH THE AIM OF DECREASING THE ABSTRACT/EXTRACT—(U) GPO—ABSTRACT. WITH THE AIM OF DECREASING THE SAME TEMP. OF POSSIBILITY OF FORMING QUENCHING CRACKS AND SHRINKAGE, THE SAME TEMP. OF THE ONSET OF MARTENSITIC TRANSFORMATION, OR A TEMP. CLOSE TO IT, CAN BE THE ONSET OF MARTENSITIC TRANSFORMATION. WE ATTEMPORT OF THE FLUIDIZED BED IN THE PROCESS OF INTENSIVE RETAINED BY THE TEMP. OF THE FOUNDAMENT.

COOLING OF STEELS IN LIQ. COLD MEDIUMS SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUMS SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUMS SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUMS SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUMS SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUMS SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUM SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUM SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUM SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUM SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUM SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUM SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUM SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. COLD MEDIUM SUCH AS WATER, AQ. NAOH SOLNS., COOLING OF STEELS IN LIQ. CALL SUBJECT OF STEELS OF STE

1 de la companya del companya de la companya del companya de la co

UBC 4.1.765.019

USSR

KOBASKO, N. I., Inscitutes of Technical Marriaghysics, Academy of Surenness RerSER

"Formation of Crucks Buring Steel Hardening"

Moscow, Merallovescaive i Termicheskaya Chrahotka Metallor, No 11, 10-71, pp 5-6

Abstract: It is established that for certain steels there is a deline a rate of quenching in the unortensite interval at which there is a applicable to the formation of hardening cracks. A change in the rate of quantum crackes the probability of crack formation. Specimens of 45, 46Kh, and U6 size it work used in the investigation.

1/1

USSR

UDC 621.165:533.64

DEYCH, M. Ye., KOBAZEV, A. V., and DAKHNOVICH, A. A.

"Experimental Investigation of Supersonic Active Cascades With Different Relative Height"

Tr. Mosk. Energ. In-ta (Works of the Moscow Power Engineering Institute), No 99, 1972, pp 9-14 (from Referativnyy Zhurnal, Turbostroyeniye, No 5, 1972, Abstract No 5.49.26)

Translation: An investigation was made of the influence of end phenomena upon energy losses in active cascades within the Mach number range from 0.9 to 1.75 and with change of the relative height 1/b from 0.43 to 1.30. The principal aim of the work was to determine the influence of the Mach number of a supersonic stream upon the intensity of the secondary flows and the linking of the end zones, as well as to investigate the region of small relative heights, in which the linear relationship of the loss coefficient to the value of b/l is infringed. 3 figures. 3 references.

1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

UDC 629.12-52.019.3

GUBINSKIY, A. I., KOBZEY, V. V., GRECHKO, YU. P.

"Study of the Availability of Maritime Automated Control Systems"

Tr. TsNII mor. flota (Works of the Central Scientific Research Institute of the Maritime Fleet), 1971, vyp. 146, pp 3-10 (from RZh-Avtomatika, Telemekhanika i vychislitel naya tekhnika, No 4, Apr 72, Abstract No 4A634)

Translation: The quantitative reliability criterion — availability factor — was obtained for nonredundant, repairable maritime automatic control systems with various functions performed in them by man. The reliability of the complex was investigated as a function of the degree of automation of the control system and the type of human activity in it. The expedient means of improving the reliability of the complex are demonstrated. There are 2 illustrations and a 2-entry bibliography.

1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

unc 621.396.4:621.396.669.8

ROMANOV, I.M., NEZHMETDINOV, T.K., KOBCHIKOV, A.V., NUGMANOV, I.S.

"Introduction To The Theory Of Designing Asynchronous Pulse Radio Systems"

Vvedeniy v teoriyu proyektirovaniya asinkhronnykh impul'anykh radiosistem (cf. English above), Moscow, "Sov.radio," 1971. 193 pp. ill. 54 k. (from RZh: Radiotekhnika, No 2, Feb 1972, Abstract 2A2O3K)

Translation: From the position of system engineering the book considers a number of basic problems of the initial designing of asynchronous pulse radio systems (APRS) in which several nonsynchronized transmitters transmit information to a common receiving center. In the process, problems are considered connected with a specific efficiency of the APRS, and some interrelations of the probability characteristics of the system. Considerable attention is given to problems of the use of methods of the theory of mass maintenance and to evaluations of the noise immunity and the traffic capacity of the APRS on exposure to noise which imitates the applicable complex signals. Some methods are considered of increasing the efficiency and noise immunity of the APRS by additional processing of information by special logical devices and use of information and structural adaptations in these systems. The books is intended

1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

ROMANOV, I. M. et al, <u>Vvedeniy v teoriyu proyektirovaniya</u> asinkhronnykh impul'snykh radiosistem , Moscow, "Sov. radio," 1971, 193 pp, ill. 5h k.

for specialists occupied with problems of designing complex radio systems and also for graduate students and students of advanced courses of higher educational institutions for corresponding specialities. 49 ill. 9 tab. 79 ref. Annotation.

2/2

75

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR -

UDC 519.24

LADOKHIN, V. I., KOBCHIKOV, A. V., NEZIMETDINOV, T. K., PANKOVETS, V. V., IVANYCHEV, Yu. N.

"Experimental Determination of the Correlation Function of Frocesses of Changing Intensity in Adaptive Information Processing Systems"

Priyem i Obrabotka Inform. v Slozhn. Inform. Sistemakh [Reception and Processing of Information in Complex Information Systems -- Collection of Works], No 2, Kazan', Kazan University Press, 1970, pp 141-146, (Translated from Referativnyy Zhurnal, Kibernetika, No 6, 1971, Abstract No 6 V202 by Yu. Shevchenko).

Translation: The problem of determination of the sampling estimate of the correlation function in adaptive information processing systems (ADIPS) on the basis of observation data is studied. The Cauchy-Bunyakovskiy inequality is used to write an upper estimate for the dispersion of the estimate of the correlation function. In conclusion, the authors present examples of practical problems which can be solved using the results they produce.

Abstractors Note. The replacement of the actual processes occurring in ADIPS with stable Gaussian processes in this work requires foundation.

1/1

- 21 -

USSR

UDC 518.5.681.3.06

KOBCHIKOV, A. V., KULEYEV, Ya. F., OZHIGANOV, L. I.

"Two Realizations of the Tabular-analytic Method of Calculation of Functions"

Tr. Kazansk. Aviats. In-ta [Works of Kazan' Aviation Institute], No. 104, 1970, pp 59-63 (Translated from Referativnyy Zhurnal Kibernetika, No. 4, April, 1971,

Translation: The use of a tabular-analytic method for calculation of a binary logarithm and trigonometric functions is studied, based on the representation of the function y=f(x) as $y=\phi(x)+\delta(x)$, where p(x) is an approximating function, rather easy to calculate or produce with a circuit, while 6(x) is a correcting function stored in a memory unit. For the function $y=log_2x$, 0 < x < 1, we can select

 $\Phi(m^*) = p - 1 + m^*; \quad x = m^*p,$

were $m^*=2m-1$, while $\delta(m^*)=\log_2(1+m^*)-m^*$. A block diagram of the arithmetic unit producing this algorithm is presented, its operation studied and an estimate given of the accuracy and speed produced in multiplication and division. For the

PARTIES DE L'ARTE DE

USSR

UDC 518.5.681.3.06

KOBCHIKOV, A. V., KULEYEV, Ya. F., OZHIGANOV, L. I., Tr. Kazansk. Aviats. In-ta,

 $y=\sin\frac{\pi}{2}x$, $x=\frac{2}{\pi}\arcsin y$; 0 < x < 1.

the approximating function can be selected as $\phi(x)=x$ with correction function $\delta(x) = \sin \frac{\pi}{2} x - x$, the maximum value of which is $\delta_{max} = 0.215$, allowing the volume of tables to be reduced in comparison with the volume of tables of complete values 2/2

- 63 -

USSR

UDC 681.3.001:518.5

KOBCHIKOV. A. V., KULEYEV, KH. F., OZHIGANOV, L. I.

"Two Implementations of the Tabular-Analytical Method of Calculating Functions"

Tr. Kazan. aviats. in-ta (Norks of Kazan' Aviation Institute), 1970, vyp. 104, pp 59-63 (from NZh-Avtomatika, Telemekhanika i vychislitel'nava tekhnika, No 2, Feb 71, Abstract No 2835)

Translation: The possibilities of using the method of tabular-analytical representation of functions in digital computers are discussed. Here, the function y = f(x) is represented in the form $y = \phi(x) + \phi(x)$; where y(x) is an approximating function sufficiently simply calculatable or obtainable schematically, and $\phi(x)$ is the correction function stored in the long-term memory in the form of correction tables. There are 2 illustrations, 1 table, and a

1/1

and a contract of the contract

USSR

UDC 621.318.1-419.538.22

BEREZHNOY, Ye. F., and KOBELEV, V. V., Moscow

"Magnetostatic Interactions in Multilayer Magnetic Film Structures"

Moscow, Avtomatika i Telemekhanika, No 8, Aug 71, pp 168-176

Abstract: A method is proposed for analyzing magnetostatic interactions in multiple-layer magnetic film elements when the controlling fields act parallel to the unfavorable axis of magnetization. The solution is found by an operator method based on the bilateral Laplace transform. The properties of single-layer and two-layer films on a dielectric and on a conducting substrate are compared. It is shown that demagnetizing fields can be reduced by a considerable factor by proper selection of the thickness of magnetic and dielectric

1/1

AAOO51848 KOBELEV

Soviet Inventions Illustrated, Section II Electrical, Derwent, 1/70

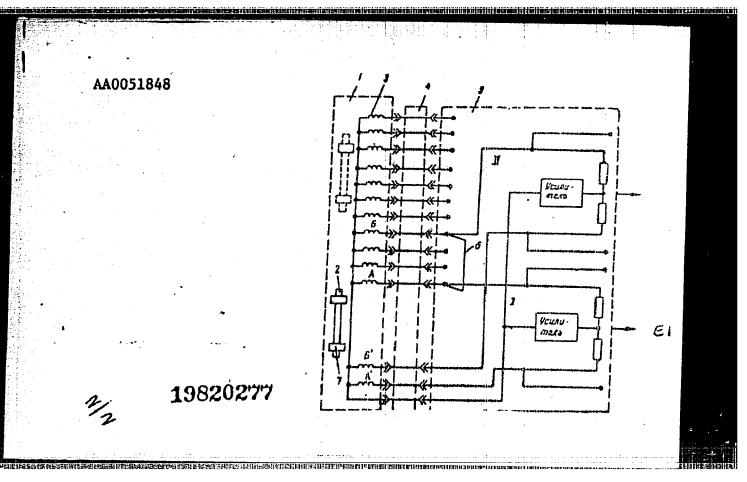
239597 INDUCTIVE LEVEL METER where a float can move freely along the inductive coils indicating its position corresponding to the messured level. The float has been improved, it has two flanges which make it possible to obtain a parallel reading from two independent coils. 12.12.66 as 1119046/26-10. A.S. ABRAMOV et al.

(28.7.69) Bul 11/18.3.69. Class 42e. Int.Cl.G Olf.

Abramov, A. S.; Zotov, S. V.; Maslov, G. S.; Vargin, B. Shorin, N. I .: Kornyushin, P. M.; Mirskov, B. I.; Chistyakov, Mosyakov, V. A.; Kozlovskiv, G. V.; Chichigin, I. B.; Batov, Golovachev, V. T.; Lyakhterov, M. N.; Kobelev, Yu.

19820276

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1



UDC: 532.529

CHARLES THE STREET OF THE STRE

USSR

ROSENTHAL', O.M., GANEBNYKH, N.V., CHETIN, F.E. and KOBALEVA, R.M.

"High-Dispersion Water Aerosol in Electrostatic Field"

Odessa, Il-ya Vses. Konf. po Vopr. Ispareniya, Goreniya i Gaz. Dinamiki Dispersn. Sistem, 1972 (Il-th All-Union Conference on Problems of Evaporation, Combustion and Gas Dynamics of Dispersion Systems, 1972), 1972, p 15 (from Referativnyy Zhurnal-Mekhanika, 1973, Abstract No 2B1216)

Translation: Calculations were performed of deformations, oscillations and decomposition of droplets in electrostatic fields as functions of degree of particle dispersion. Analysis of elliptic deformations is based on an equation including Negibbs thermodynamic corrections. Extreme dependence of surface variation on particle volume in constant field was obtained. It is shown that droplets of $\sim 10^{-4}$ cm radius have the highest stability with respect to external actions. This result agrees with the actually observed size of droplets of water aerosol in atmosphere and cloud chambers and makes it possible to extrapolate the available measurements of the range of droplet 1/2

USSR

ROSENTHAL', O. M., et al., ll-ya Vses. Konf. po Vopr Ispareniya, Goreniya i Gaz. Dinamiki Dispersn. Sistem, 1972 p 15

size to the field of little known high-dispersion acrosol. It is established that Negibbs thermodynamic effects increase sharply the sensitivity of small particles to external electrostatic fields.

2/2

UDC 632.952.02 ~

USSR

MARKH, A. T., FEL'DMAN, A. L., and KOBELEVA, S. M., Odessa Technological Institute of the Food Industry imeni M. V. Lomonosov

"The Influence of Tetramethylthiuram Disulfide on the Metabolism and Biosynthesis of Sulfur-Containing Compounds in the Tissues of Potato Tubers"

Moscow, Khimiya v Sel'skom Khozyaystva, Vol 10, No 6, 1972, pp 35-37

Abstract: A laboratory experiment was conducted with Odessa type potatoes on a Knopp culture solution to which had been added .5 microcuries of ^{35}S with a specific activity of 414242 counts/minute. Exposition was for 3 and 6 days. Sulfur-containing compounds were separated with one-dimensional descending chromotography method. The specific activity of the sulfur (a) of the investigated compounds is determined by the exchange rate and the synthesis of the substance during tagging. The rate of synthesis (K) was calculated by the formula:

 $\frac{K}{S} = \frac{35_S}{S} = \frac{a}{a_1 - a}$

1/2

USSR

MARKH, A. T., et al., Khimiya v Sel'skom Khozyaystva, Vol 10, No 6, 1972, pp 35-37

where ³⁵S is the amount of sulfur included in the investigated compound, in grams; S is the amount of sulfur in the compound up to the time of tagging; ao is the specific activity of the sulfur ³⁵S in the natrient culture, in counts/min. per 1 g. The standard deviation of the experiment was calculated by the formula = 0.67 N. Correlation of the fractions derived leads to the conclusion that sulfur in Na2 ³⁵SO₄ first enters the mineral part, witnessed by its higher specific activity, then into the organic acid-soluble part, and finally into the albumin part. The variants with TMTD underwent a quicker distribution of the sulfur fractions. Also, the organic acid-soluble and albumin parts gained sulphur at the expense of the mineral part. It was determined that TMTD speeded the process of sulfate restoration and the intensity of biosynthesis of organic biologically active sulfur-containing compounds. TMTD also preserved thiamin from exidization.

2/2

· 48 =

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR UDC 537.29

SMOLENTSEV, V. P., KHAYRUTDINOV, A. K., OLEYNICHENKO, T. P., and KOBELEVA, T. K., Kazan

"Metallographic Investigations of the Surface Layer of Alloys After Dimensional Electrochemical Treatment"

Moscow, Fizika i Khimiya Obrabotki Metallov, No 1, Jan-Feb 71, pp 135-137

Abstract: Results are presented on metallographic investigations of surface layers of hardened 40KhNMA and 0KhN3MFA steels and AVT1 and VTZ-1 alloys after dimensional electrochemical treatment within the whole range of current densities in electrolytes used in the production of channels in long-measuring parts. Recommendations for applying dimensional electrochemical treatment and for the selection of allowances for the after treatment are given. The 40KhNMA and 0KhN3MFA steels, hardened to HRC 35-37, and the AVT1 aluminum alloy showed no signs of corrosion by the electrochemical treatment, but the VTZ-1 titanium alloy corroded along the grain boundaries up to a depth of 0.03 sm.

1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

1/2 017 UNCLASSIFIED TITLE--EFFECT OF IMTO ON THE NUTRITIVE QUALITY OF POTATGES, PEPPERS, AND

PROCESSING UATE--13NOV70

EGGPLANT -U-

AUTHOR-(02)-FELDDMAN, A.L., KOBELOVA, SIM.

COUNTRY OF INFO--USSR

SGURCE-KHIM. SEL. KHOZ. 1970, 8(3), 182-3

DATE PUBLISHED----70

SUBJECT AREAS--BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS--PESTICIDE, ORGANIC SULFUR COMPOUND, ORGANIC POLYSULFIDE, VEGETABLE, FOOD ANALYSIS, THIAMINE, RIBOFLAVIN, AMINO ACID, SULFUR COMPOUND, ASCURBIC ACID

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--3004/0562

STEP NO--UR/0394/70/008/003/0182/0183

CIRC ACCESSION NO--APO131135

_______HELASSIFIED

UNCLASSIFIED

PROCESSING DATE—13NOV70

CIRC ACCESSION NO—APOL31135

ABSTRACT/EXTRACT—(U) GP—O— ADSTRACT. THID (TETRAMETHYLTHIURAM DISULFIDE), USED FOR THE PADTECTION OF SUMMER PLANTED POTATOES, IS NOT ACCUMULATED IN THE HARVEST OF THE NEW TUBERS. ANAL. OF PEPPER AND EGGPLANT FRUITS GROWN IN THE PRESENCE OF THID SHOWED THAT THE CONTENT OF VITAMINS C, B SUBL, B SUBZ, AND PROTEIN WAS HIGHER WHILE THAT OF AMINO ACIDS WAS LOWER THAN THE CONTROL. THE TOTAL AHT. OF S IN FRUITS WAS NOT INFLUENCED BY THID, BUT AN INCREASE IN MINERAL S CONTENT TOGETHER WITH DEGREASE OF S IN THE ETHER AL. FRACTION WAS FOUND. FACILITY:

ODESS. TEKHNOL. INST. IM. LOMONOSOVA, ODESSA, USSR.

UNCLASSIFIED 1/2 037 TITLE--RESULTS OF TREATMENT OF ACUTE PANCREATITIS -U-

AUTHOR--DOROGAN, D.A., KOBELYATSKIY, I.T.

COUNTRY OF INFO--USSR

SOURCE--VRACHEBNOYE DELO, 1970, NR 3, PP 37-39

DATE PUBLISHED----70

SUBJECT AREAS -- BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS--MEDICAL EXAMINATION, PAIN, BODY TEMPERATURE, LEUKOCYTOSIS, HYPERTENSION, LIVER FUNCTION, KIDNEY FUNCTION, NECROSIS, PANCREATITIS

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1986/0952

STEP NO--UR/0475/T0/000/003/0037/0039

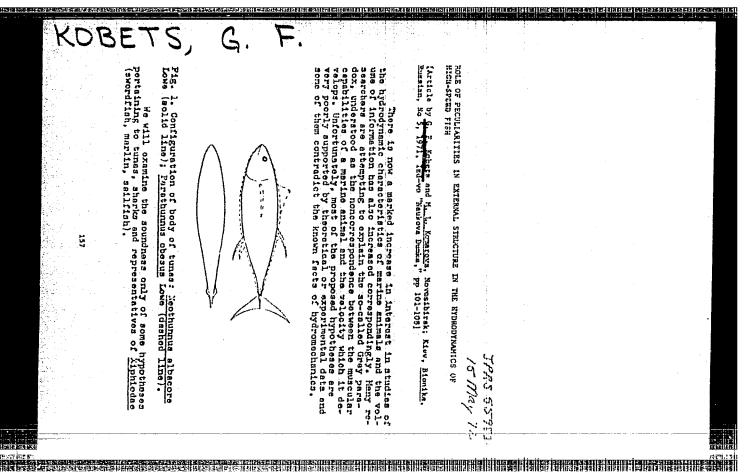
PROCESSING DATE--11SE

CIRC ACCESSION NO--APO102891

UNCLASSIFIED

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

UNCLASSIFIED PROCESSING DATE--11SEP7J 2/2 037 CIRC ACCESSION NO--APO102891 ABSTRACT/EXTRACT--(U) GP-O- ABSTRACT. THE MAIN CLINICO LABORATORY DATA ARE PRESENTED GAINED FROM A STUDY OF 165 PATIENTS; WITH ACUTE PANCREATITIS. THE PATIENTS SHOWED: EPIGASTRAL PAIN (IN ALL PATIENTS). NORMAL TEMPERATURE (62.4PERCENT), LEUCOCYTOSIS FROM 10,000 TO 18,000 (64.7PERCENT), TACHYCARDIA (109 PATIENTS), HYPOTENSION (91 PATIENTS), ACROCYANOSIS (23 PATIENTS), ELEVATED URINARY DIATASE (81.9PERCENT), HYPERGLYCEMIA (41.8PERCENT), SIGNIFICANT LIVER PATHOLOGY, RENAL FUNCTION DISORDERS, 151 PATIENTS WERE TREATED MEDICALLY AND ALL RECOVERED. OF THE 14 SURGICALLY TREATED PATIENTS THREE DIED. THEY SHOWED HEMMORHAGIC NECROSIS OF THE PANCREAS. HNCL ASSTRACO



KOBETS, G. P.

27 Oct 72

JARS 57351

upc: 614.23+614.253.5]:658.386.3(477.62)

OHUMNIZATION OF ADVANCED TRAINING FOR PHYSICIANS AND PARAMEDICAL PURSCENEL IN DOMESTRAYA OHLAST

Further improvement of medical care for the people and mafeguarding that hashth, systematic extension of the period of active employment of govern people, depend, in many respects, on the competence of public health workers. They solve problems that require profound special knownedge, keeping regularly informed on modern advances in medicine and practice, a high degree of avareness, and a communist attitude toward work.

In our country, the allocations for public health are increeding every year; its material bask is expanding; the quantity of medical specialists is growing, and they should be so used as to best meet the demands of working people with regard to accessible and highly qualified medical care. This obligates the administrators of public health organizations and institutions to be properly trained in the field of managereat, the standards of public health, and to have high present a wardered. personal standurds.

There are more than 12,290 physicians and 44,000 paramedical pursoned in Donorskeys Oblace. It is a complex task to advance their qualifications and it cannot be fulfilled by referring specific estagorizes of individuals to courses (with absence from work), to institute or faculties for advanced training of physicians. For this teason, we are sourching for new forms of advanced training for medics, using local bases, and we believe that our experience martis attention.

Advanced training of public health organizers in the oblast, their attendance in classes of modern management methods are effored in three independent groups. A two-year school for public health organizers was established as far back as 1968 for the first group, which included all the ::

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R001401410009-1"

Polymers and Polymerization

USSR

UDC 678.06-419.8:678.046.27.01:53

TROSTYANSKAYA, YE. B., and KOBETS, L. P.

"Possibilities for Improving the Strength of Graphite Plastics"

Moscow, Plasticheskiye Massy, No 1, Jan 70, pp 53-56

Abstract: The authors studied the feasibility of improving the strength of graphite plastics by appropriate selection of the binder or manufacturing techniques. The investigation was based on optical, radiographic, analytical and other studies of graphitized grade TG-2 fiber. It was found that satisfactory wetting of graphitized fiber takes place only in an alcohol solution of phenol-formaldehyde resin. However, it was experimentally determined that alcohol and acetone should not be used as solvents when soaking graphitized fibers in resin solutions, and also that cresol-formaldehyde resins are preferable to phenol-formaldehyde resins for this purpose. The low strength of graphitized TG-2 fiber is apparently due to disorientation of crystallites, open porosity, and a considerable number of pores and cracks in the surface layer. The average size of these surface defects is less than the size of the oligomer molecules used in the resins as binders. The fiber surface has low energy and is 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

TROSTYANSKAYA, YE. B., et al., Plasticheskiye Massy, No 1, Jan 70, pp 53-56

poorly wetted by most liquids. It was found that the open pores of the fiber can be filled with a monomer such as a mixture of para-and meta-divinylbenzenes. This polymer wets the fiber and polymerizes with it to form an insoluble polymer. This treatment improves the strength and elasticity of the graphitized fiber. After polymerization, the treated fibers were impregnated with alcohol solutions of phenol-formaldehyde and organo-silicon resins. Graphite plastic specimens were then pressed from the fibers with appropriate heat treatment. The density, tensile strength and modulus of elasticity are tabulated for impregnated specimens with and without polymerization. The greatest improvement in all indices was obtained with 7.7% divinylbenzene and impregnation with phenolgormaldehyde resin.

2/2

73 -

Acc. Nr App 045163

Abstracting Service: 5-70 CHEMICAL ABST.

Ref. Code UR 0191

Trostyanskaya, E. B.; Kobets, L. P. (USSR). Plast. Massy 1970, (1), 53-6 (Russ). TG-2 trabon fibers (I) were studied by x-ray anal. and optical methods in order to improve the strength of C fiber composites (II). Potentiometric titrns., x-ray anal., and optical methods indicated that the low strength of I was due not only to deorientation of crystallites and closed porosity, but also to considerable cracking at the surface. Thus, I were treated with a mixt. of m- and p-divinylbenzene (III) (contg. 2% peroxide) so that a thin layer of poly(divinylbenzene) be formed on I. The tensile strength and elastic modulus markedly increased after the polymn. of III. The modified I were impregnated with BSL phenol-HCHO resin and K-9 organosilicon resin, the solvent was evapd., and II were molded 0.5-3.5 hr at 155-200'. CKJR

45

19780063

7

USSR

UDC 624:539.4

KOBIDZE, G. N.

"Seismic Inertial Loading on a Spatially Acting Industrial Building by Seismogram and Velocigram, Acquired by Integration of the Accelerogram of a Destructive Earthquake"

Kiev, Seysmichnost', seysmich. opasnost' Kryma i seysmostoykost' str-ba (Seismicity, Seismic Danger of the Crimea and the Seismic Stability of Buildings, Collection of Works), Nauk dumka, 1972, pp 169-174 (from Referativnyy Zhurnal -- Mekhanika, No 4, 1973, Abstract No 4V1103)

Translation: A method for and results of calculating one-story industrial buildings under seismic action with a calculation of the three dimensional pattern of their deformation and also the differentiability of the seismic motion of the ground under the building are presented. As initial information using a computer the accelerogram of the ground seismic motion during a destructive earthquake, and also the velocigram and seismogram, obtained by numerical integration of the same accelerogram are used. A comparison of the results using the method proposed with a calculation of an industrial building without calculating expansion and spatiality is given. (Author's abstract)

1/1

- 25 -

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

1/2 OII UNCLASSIFIED PROCESSING DATE--27NOV7O TITLE--TECTONIC CLAYS FROM LEAD ZINC DEPOSITS OF THE SAUDN ORE FIELD -U-

AUTHOR-(02)-KOBILEV, G.A., NYRKOV, A.A.

COUNTRY OF INFO--USSR

SOURCE-GEOL. RUD. MESTOROZHD. 1970, 12(1), 105-10

DATE PUBLISHED----70

SUBJECT AREAS--EARTH SCIENCES AND OCEANOGRAPHY

TOPIC TAGS--LEAD, ZINC, MINERAL DEPOSIT, IRON DXIDE, SULFIDE, MANGANESE, GEOGRAPHIC LOCATION

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--3003/0183

STEP NO--UR/0306/70/012/001/0105/0110

CIRC ACCESSION NO--APO129439

UNGLASSTELED

| 2/2 011 CIRC ACCESSION NOAPO129 | UNCLASSIFIED | | AND BING | NO NENGRALOCICAL COMPNS. O | | |
|---|--|--|----------------------|----------------------------|------------|---------|
| CIRC ACCESSION NOAPOLES ABSTRACT/EXTRACT(U) GP- BOTH FINE AND CDARSE FO | A ADSTUALL | , CHEM. CTONIC C | ANU MINE LAYS WER | E-DETD. | THE MAIN |). I |
| | | | | | | |
| | MA WALMINIKALI | 1 4 | 1 3404 7 0 4 | | /OCHERKASS | к. |
| POLITEKH. INST. IM. OR | DZHONIKIDZE, N | IOVOCHERK | ASSK. US | SR. | | |
| | | | | | | |
| | | | | | | |
| | after the second | | | | | |
| | | | | | | |
| 終系 () () () () () () () () () (| | 1 | | | | |
| | | 1 (| 1 | : | | |
| | | | | 1 | | |
| | | E. S. | | | | |
| | 100 | · · · · · · · · · · · · · · · · · · · | i | | | |
| | | • | 1.4 | | | |
| | | The second | 100 | - 1 | | |
| 첫 10년 - 12년 - 12월 - 12년 - 12 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | • | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | - INCLASSIFIE |)————————————————————————————————————— | | | | |

USSR

tmc 539.23:678.745:537.226

AYVAZOV, V. YA., KOBKA, V. C., PEROVA, L. V.

"Obtaining Thin Polymer Films and Studying their Dielectric Properties"

Kiev, Poluprovodnikovava tekhnika i mikroelektronika, No 5, 1971, pp 39-42

Abstract: A study was made of the process of obtaining polymer films on an insulated substrate placed in the interelectrode space, the electrophysical properties of these films and the parameters of thin-film capacitors based on them. The procedure for obtaining the thin polymer films in an AC glow discharge is described. Data are presented showing the effect of the vapor pressure of the initial monomer (hexamethyldisiloxane) and the discharge current density on the stability of the dielectric properties of the films. All the basic electric parameters of thin-film capacitors with a polymer dielectric measured in a broad temperature and frequency range are presented. A table is given with the dielectric constant ϵ , tg δ at a frequency of 1 kilohartz, the leakage resistance for a DC voltage of 10 volts, the breakdown voltage V for capacitors with an electrode area of 0.1 cm2. These parameters are sufficiently high for the thin-film capacitors with a polymer dielectric to operate under the most rigid temperature conditions. The described polymer films can be used successfully in microelectronics to obtain high-frequency film capacitors and insulating lavers.

1/1

CIA-RDP86-00513R001401410009-1"

APPROVED FOR RELEASE: 09/17/2001

resissario di responsabili de l'inicia i decenti de la compania de l'inicia de

USSR

UDC 621.793.12

AYVAZOV, V. Ya., KOBKA, V. G., and PEROVA, L. V.

"Production of Thin Polymer Films and Study of Their Dielectric Properties"

Poluprovodn. tekhn. i mikroelektronika. Resp. mezhved. sb. (Semiconductor Technices and Microelectronics. Republic Interdepartmental Collection), 1971, Issue 5, pp 39-42 (from RZh-Elektronika 1 yeye primeneniye, No 9, September 1971, Abstract No 9A198)

Translation: A method is described for producing thin polymer films in an a-c glow discharge. The effect is studied of the pressure of wapors of an initial monomer (hexamethyldisiloksan) and the density of the current discharge on the stability of the dielectric properties of the film. All the basic electrical parameters are provided for thin film capacitors with a polymer dielectric measured in a wide range of temperatures and frequencies. 5 ref. Summary.

1/1

110

Organ and Tissue Transplantation

Lo

USSR

UDG: 616.12-089.843-089.168

FAL'KOVSKIY, G. E., KAZAKOV, E. N., YARLYKOVA, Ye. I., ASTRAKHANTSHVA, G. I., ALEKSEYEVA, L. A., KOBKOVA, I. D., SOKOLOV, M. V., GALANKINA, I. Ye., EDL'SHUKHENA, L. A., and GUDKOVA, R. G., Institute of Cardiovascular Surgery imeni A. N. Bakulev, Academy of Medical Sciences USSR, Moscow

"The fate of an Heterotopic Heart Allotransplant"

Moscow, Eksperimental naya Khirurgiya i Anesteziologiya, No 6, Nov/Dec 70, pp 3-12

Abstract: Donor hearts transplanted to the iliac arteries of recipient dogs survived up to 16 days. The causes of cessation of transplant function during the first l_0 8 hours were surgical complications (death of the recipient from the anesthetic, hemorrhages from the sutures, thrombosis). In the absence of such complications, the transplants continued to function 3 to 12 days average, ($l_0.75$ days) when immunodepressants were not used, and 3 to 8 days (average, 6.16 days) when they were. Cardiac arrest was preceded by arrhythmias, a decrease in voltage of the ventricular complex, and increase in lymphocytes in the peripheral blood following leukopenia. Immunemorphological changes in the recipient's lymphatic system preceded the morphological signs of rejection in the transplant (pronounced lymphoid-histiocyte infiltration, changes in the arteris, and metabolic disturbances in the myocardium).

USSR

UDC 621.395.347

KOBLENTS G., GRUSEVICH, S. I., KONOVSKIY, A. G., and GORYACHLVA, L.

"Fast-Acting Selective Mixers"

Moscow, Elektrosvyaz', No. 7, 1971, pp 30-35

Abstract: The mixers discussed in this article refer to the circuits used in automatic telephone lines of the decade type. They can be made to operate speedily through the use of quasi-electronic techniques, semiconductor devices and hercons (hermetically sealed contacts). With such instrumentation, the lines are better utilized and there is little delay in establishing contacts. This article presents the basic technical data of such mixing circuits, indicates the connections and switching procedures, and explains their operation with the assistance of block and switching diagrams. Fast-acting selective mixer equipment has proved its worth under test conditions in the telephone lines between Leningrad and Mos-It is asserted that, in addition to using fast-acting mixers, existing lines should be modified to improve the efficiency of individual operators' equipment. In the information center of the Leningrad lines, for example, two racks of the fast-acting mixer circuits have improved the uniformity of calls on the operators with a 10% increase in information supplied.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

UDC: 621.318.435.3

GORYACHEV, N. P., KOBLENTS, Ya. G., MORSHAKOV, V. A., RABKIN, L. I., EPSHTEYN, B. Sh., YAKOVENKO, D. A.

"A Moncontact Magnetically Controlled Diode"

V sb. Novyye beskontaktn. elektron. ustroystva. Ch. 1 (New Moncontact Electronic Devices--collection of works. Part 1), Moscow, 1970, pp 26-31 (from RZh-Avtomatika, Telemekhanika i Vychislitel'naya Tekhnika, No 11, Nov 70, Abstract No 11A26)

Translation: The authors present the characteristics and describe some designs of ferrods whose principle of operation is analogous to that of a transformer with magnetization. A closed ferrod on a frame core made up of two L-shaped plates with a nonferromagnetic gap has low scatter of the output characteristics and high sensitivity. A ferrod designed on the basis of using a permanent magnet has inverse characteristics. A device with similar characteristics is a magnetically controlled diode designed around a standard ferrite bead with rectangular hysteresis loop located in the opening of a metallic magnetic circuit. Six illustrations, bibliography of four titles. Yu. Kh.

1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

AA0051857

Soviet Inventions Illustrated, Section II Electrical, Derwent,

170

242238 PULSE CONTROLLED COMPUTATING COMPONENT has two coils wound on the magnetic core. The holding coil provides a big enough magnetic field for supporting the making contacts. The de-energising coil is also operated by a pulse. Both coils have independent ampere-turns and their on and off operation can be adjusted so that the contacts make and brake without hesitation. The component is applicable to the telephony. 8.1.68. as 1208072/26-9. I.D.KOPTSEV et al. (16.9.69.) Bul.15/25.4.69. Class 21a3. Int.Cl. HO4m.

AUTHORS:

Konovskiy A.C.; Koblents, Ya. G.;

MI

Konovskiv, A. G.

y

19820292

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

1/2 016 UNCLASSIFIED PROCESSING DATE--300CT70
TITLE--ASSESSMENT OF SOME ROENTGENOTOMOGRAPHIC SIGNS OF HITRAL STENOSIS

AND MITRAL INCOMPETENCE -U-

AUTHOR-(05)-PUTOV. N.V., KOBLENTSMISHKE, A.I., GUDIMLEVKOVICH, V.N.,

ROZHKOV, A.S., POSEVIN, D.I.

COUNTRY OF INFO--USSR

SOURCE--KLINICHESKAYA MEDITSINA, 1970, VOL 48, NR 1, PP 26-32

DATE PUBLISHED-----70

SUBJECT AREAS--BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS--HEART DISEASE, HEART SURGERY, DIAGNUSTIC MEDICINE

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1999/0126

STEP NO--UR/0497/70/048/001/0026/0032

CIRC ACCESSION NO--AP0122392

UNCLASSIFIED

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

PROCESSING DATE--300CT70 **UNCLASSIFIED** 2/2 016 CIRC ACCESSION NO--AP0122392 ABSTRACT. IN 100 PATIENTS SUBJECTED TO ABSTRACT/EXTRACT--(U) GP-0-MITRAL COMMISSUROTORY THE DEGREE OF STENOSIS OF THE LEFT ANTRIOVENTRICULAR ORIFICE AND MITRAL INCOMPETENCE WAS COMPARED WITH TOMOGRAPHIC SIZES OF THE LEFT BRANCH OF THE PULMONARY ARTERY AND LEFT ATRIUM. IT WAS FOUND THAT SIGNIFICANT INCREASE (OVER 10.5 CM) OF THE LEFT ATRIUM DOES NOT CONTRADICT THE DIAGNOSIS OF TIGHT MITRAL STENOSIS AND INSIGNIFICANT MITRAL INCOMPETENCE, BUT THE ABSENCE OF SUCH AN INCREASE TESTIFIES. AS A RULE. AGAINST IMPORTANT MITRAL INCOMPETENCE. MARKED DILATATION OF THE PULMONARY ARTERY IS CHARACTERISTIC FOR TIGHT MITRAL STENDSIS. AN ABSENCE OF SUCH A DILATATION DOES NOT CONTRADICT THE DIAGNOSIS OF TIGHT MITRAL STENOSIS. THERE WAS REVEALED A DISTINCT RELATION IN CONJOINT EVALUATION OF THE SIZES OF THE LEFT ATRIUM AND PULMONARY ARTERY.

UNCLASSIFIED

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

UDC 629.7.036.3-55(088.8)

KONTOROVICH, B. M., KOBLIK, L. M., GUSAKOV, V. I., ZAKIROV, R. F.

"A Device for Controlling Fuel Supply"

Author Certificate USSR, Class 46 f, 8/01 (F 02 c). No 276644, claimed 7.10.68, published 12.03.71 (from Referativnyy Zhurnal, Aviatsionnyye i Raketnyye Dvigateli, No 11, Nov 71, Abstract No 11.34.69 P)

Translation: There is patented a device for controlling the fuel supply, for example in a gas-turbine engine, containing a pump controlled by an rpm regulator with a hydraulic retarder, a throttling cock, kinematically linked with a control lever and a valve for maintaining a constant differential at the throttling cock. The device is distinguished by the fact that with the aim of ensuring operation of the engine without surge over the entire range of regimes, in the high-pressure main line is installed a dosing needle with a supplementary hydraulic retarder for damping the relief of the rotations at regimes below the start of automatic operation of the regulator. The device is distinguished by the fact that with the aim of decreasing the stopping time of the engine, an annular flow-through channel is constructed on the throttling cock for connecting the piston cavity of the dosing needle to the main overflow line. I figure.

1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

AA0101179

THE THE PARTY OF T

Soviet Inventions Illustrated, Section III Mechanical and General, Derwent, 1-70

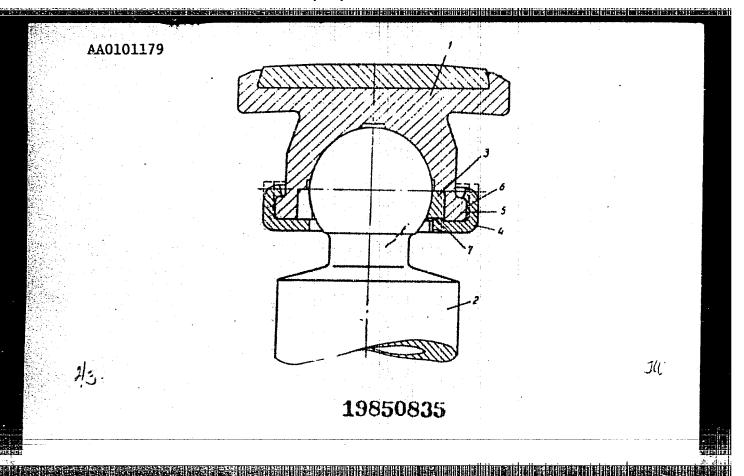
242606 PLUNGER e.g. for fuel pump with spherical head, carrying a footstep bearing in the neck of which is a bracing ring, differing in the bearing having a shoulder to which is fastened a horseshoe-shaped frame of plastic to hold the ring. The ring and shoulder may have shaped slots for the frame to be pressed in . This gives a more reliable fixing of the footstep bearing. Footstep bearing 1 is connected to plunger 2 by bracing ring 3, fixed by frame 4. The material of the wall of the frame is crimped around shoulder 5 on the footstep bearing and pressed into slots 6 and 7 on the endface surface of ring 3 and shoulder 5.

2.1.68 as 1207319/24-6.POLIANSKII A.F.at al.(10.9.69) Bul 15/25.4.69. Class 46f, 59g. Int.Cl.F 02c, P 05b.

 $\frac{y_2}{2}$

19850834

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"



AA0101179

AUTHORS: Polyanskiy, A. F.; Kontorovich, B. M.; Koblik, L. M.; Gusakov, V. I.; Tokarev, N. N.; Khlopin, A. N.; Borovik, S. A.

3/3

19850836

Surgery

USSR

UDC 616.132+616.13]-89.28-07:616.151.5-07

PETROVSKIY, B. V., KNYAZEV, M. D., KOBLOV, L. F., STEPANOV, G. A., and SMIRNOVA, L. A., Scientific Research Institute of Clinical and Experimental Surgery, Ministry of Health USSR

"Hemostasis After Repair Operations on the Aorta and Major Arteries Using Electroconductive Prostheses"

Moscow, Kardiologiya, No 4, 1971, pp 9-14

Abstract: Vascular prostheses woven with silver threads were implanted in 30 patients with occlusion (due to atherosclerosis and endarterteritis) of the terminal portion of the aorta and iliac arteries or aneurysms of the aorta). A like number of patients with similar lesions received nonconducting terylene prostheses. Hypercoagulability was characteristic of both groups of patients before surgery because of high fibrinogen concentration, lowered fibrinolytic activity, increased antifibrinolysin activity, and slow blood flow. Postoperatively, none of the patients who received an electroconductive prosthesis required anticoagulant and fibrinolytic therapy, whereas most of those who received a terylene prosthesis showed signs of hypercoagulability, and several developed thrombosis despite the administration of anticoagulants.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

UDC 616-074:681.3

USSR

KOBLOV. L. F., KUKUKUZA, E. N., and MARKOVA, A. M., Laboratory for Clinical Diagnosis, and Scientific Organization Division, Scientific Research Institute of Clinical and Experimental Surgery, Ministry of Health USSR

"Automation of Biochemical Tests and Computer Processing of the Results"

Moscow, Laboratornoye Delo, No 9, 1970, pp 525-529

Abstract: Since 1969 the authors have been studying data obtained by means of a Clinomak, an automated apparatus manufactured in Italy by Polimak. The device comprises a unit for measuring and storing blood, a photocolorimeter, and a programming device. The results have been processed on a Soviet Nairi computer. The Clinomak is capable of determining cholesterol, glucose, blood bilirubin, protein fractions, and thymol turbidity. In 36 patients with diseases of the liver and bile duct, seven types of glycemic curves were distinguished (normal, original hypoglycemic, hepatic, pancreatic, asthenic, disbetic, and adrenal insufficiency). Establishing the type of glycemic curve for each patient perinsufficiency). Establishing the type of glycemic curve for each patient perinsufficiency and accurate diagnosis of the disease. Currently under study are mitted rapid and accurate diagnosis of the heart and blood vessels. The hemo-267 patients with surgical diseases of the heart and blood vessels. The hemo-267 patients with surgical diseases of the heart and blood vessels.

1/2

- 3() -

USSR

KOBLOV, L. F., et al., Laboratornoye Delo, No 9, 1970, pp 525-529

the glycemic curves. Efforts are being made to identify five types of hemograms (normal, anemic, inflammatory, allergic, and degenerative) and five types of coagulograms and thromboelastograms (normal, hypocoagulating, hypercoagulating, prethrombotic, and acute fibrinolysis).

2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

UDC 633.57:58.04

IMAMALIYEV, A. I., KOBLOV, R. K., and SEMYKINA, YE. YE., Institute of Experimental Plant Biology, Academy of Sciences Uzbek SSR

"Some Characteristics of the Penetration, Distribution and Transformation of Defoliating Captax Derivatives in Cotton Plants"

Tashkent, Uzbekskiy Biologicheskiy Zhurnal, No 2, 1971, pp 19-21

Abstract: In a study of the effect and metabolism of mercaptobenzothiazole (Captax) derivatives as defoliants, three 2-alkylthiobenzothiazoles were synthesized: ethylcaptax, butylcaptax, and heptylcaptax, which had labelled (\$35) sulfide sulfur. The specific radioactivity of these compounds was 0.38-0.50 mc/mi. The defoliants were applied to cotton of the 108-F type in the concentional way in the form of a 1% emulsion. The treated leaves were crushed and extracted with diethyl ether and subsequently with a 96% aqueous solution of ethanol. Of the three alkyl derivatives, othylcaptax exhibited the greatest capability of penetrating the cottom plant leaves, whereas heptylcaptax was found in seeds and fibors of immature pods. Apparently there are barriers impeding the appearance of the next transformation product of butylcaptax in 1/2

TO RECORD THE CONTROL OF THE CONTROL

USSR

IMANALIYEV, A. I., et al., Uzbekskiy Biologicheskiy Zhurmai, No 2, 1971, pp 19-21

the ripening fruit. However, this product penetrates into the seeds and fibers when the defoliant hits the pods. The butylcaptax entering the leaves is quickly transformed. It appears that the metabolism of all three alkyl derivatives of captax in the cotton plant is identical with retention of the benzothiazole moiety in the molecule.

2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

UDC 620.10

KOBLOV, V. S.

"On a Conditional Margin of Plasticity Stability to Twisting of Roller-Type Components Under Conditions of Lowered Temperature"

Moscow, Izvestiya Vysshikh Uchebnykh Zavedeniy -- Mashinostroyeniye, No 2, 1973, pp 162-164

Abstract: The results of experiments on stability and plasticity on twisting of roller-type components with stress concentrators, made of steels 54 and 40X with different thermal treatments, under low temperature conditions to -60°C are presented in graphical form. The theoretical coefficient of concentration may be calculated from the graphs which can also be used for designing and sizing such components for use under conditions of the far north.

1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

1/2 008 UNCLASSIFIED

PROCESSING DATE--13NOV70

TITLE-REACTIVITY OF COMPOUNDS WITH DIARYLMETHYLOL GROUPS. IV. BASICITY OF

SUBSTITUTED AMIDES OF DIARYLGLYCOLIC ACIDS -U-

AUTHOR-1041-SHKLYAYEV, V.S., CHEKRYSHKIN, YU.S., KOBLOVA, A.Z.

PANTSURKIN, V.I.

COUNTRY OF INFO--USSR

SOURCE--ZH ORG KHIM. 1970, 6(5), 1055-61

DATE PUBLISHED ---- 70

SUBJECT AREAS--BIOLOGICAL AND MEDICAL SCIENCES, CHEMISTRY

TOPIC TAGS--AMIDE, CONDENSATION REACTION, AMINE DERIVATIVE, AROMATIC CARBOXYLIC ACID, CHURINATED ORGANIC COMPOUND, BENJENE DERIVATIVE

CONTROL MARKING--NO RESTRICTIONS

PROXY REEL/FRAME--3006/1270

STEP NO+-UR/0366/70/006/005/1055/1061

CIRC ACCESSION NO--AP0134944

UMCLASSIFIED

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

| 2/2 008 CIRC ACCESSION NOAPO1349 | UNCLASSIFIED | FROCESSING DATE13NOV70 | |
|--|--|--|------------|
| | | ATION OF MESITYLAMINE WITH | |
| (CO SUB2 ET) SUB2 GAVE 2 | 2,4,6,KE SUB3 C SUB6 H | SUB2 NHCOCO SUB2 ET, WHICH | |
| WAS TREATED WITH RC SUBG | H SUB4 MGBR (R IS H. | O-ME, M-ME, P-ME, O-MEO. | |
| P-MEO, P-F, M-CL, P-CL; NHCOCIONI (6 SUB6 H SUB4 | OR P-BK) 10 GIVE 2,4,6 | 6,MELSUB3 C SUB6 H SUB2 VALUES OF 1 DEPEND ON R. | |
| THEY WERE CURRELATED WIT | H BROWN OKAMOTO SIGMA | PRIMEPOSITIVE CONSTS. | |
| FACILITY: PERM. FARM | . INST., PERM, USSR. | | |
| 병원 (1) 2015년 1일 | | | |
| | | | - |
| | 一点点的 1995年 1995年 1996年 199 | | |
| #4447 | | | * - |
| 발발하다 가능하는 사람들이 되었다. 불화하는 사람들이 가는 사람들이 되었다. | | | 6 U |
| | | | J . |
| | | | |
| 독교 (1 - 1 1 개) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | | | |
| | | | • |
| | | | |
| | | | |
| | | | |
| | | | - 7 |
| | INCLASSIFIED | | |

£/2 025

UNCLASSIFIED

PROCESSING DATE--160CT70

TITLE-ANALOGS OF COCCIDINE -U-

AUTHOR-(03)-PISKOV, V.B., OSANOVA, L.K., KOBLOVA, I.A.

COUNTRY OF INFO--USSR

SOURCE--ZH. ORG. KHIM. 1970, 6(3), 559-64.

DATE PUBLISHED----70

SUBJECT AREAS-BIGLOGICAL AND MEDICAL SCIENCES, CHEMISTRY

TOPIC TAGS--ORGANIC NITROGEN COMPOUND, BENZENE DERIVATIVE, AHIDE, TOXICITY, BIRD, VETERINARY MEDICINE

CONTROL MARKING--NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--1990/0552

STEP NO--UR/0366/70/006/003/0559/0564

CIRC ACCESSION NO--APO108767

UNCLASSIFIED

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

2/2 UNCLASSIFIED 025 PROCESSING DATE--160CT70 SIRC ACCESSION NO--APO108767 ABSTRACT/EXTRACT--(U) GP-O- ABSTRACT. THE FOLLOWING 6-(R, SUBSTITUTED) -3,5-DINITROBENZAMIDES (I) WERE PREPD. BY STD. REACTIONS (R GIVEN): NHME, NME SUB2, NET SUB2, CL. OTHER SYNTHESIZED COCCIDINE ANALOGS WERE : 4 AMINO 3, 5 DINITROBENZAMIDE, 5 R SUBSTITUTED 2, 4 DINITROBENZLAMIDE (R IS H OR CONH SUB2), N. N MINUS R PRIME! DERIVS. OF I (R EQUALS ME), (R PRIME1 EQUALS ME RPIME2 OR ET), 2 MINUSR, 3 MINUSR PRIME1, 6 MINUSR PRIME2 TRISUBSTITUTED 5 NITROBENZAMIDES (R. R PRIMES, R GIVEN): H, NO SUB2, H; NH SUB2, NO RSUB2, H; H, CL, CI), 2 METHYL 5 NITRO BETA PICOLINAMIDE, AND 3 ACETAMIDO 5 NITROBENZONITRILE. THE TOXICITY OF THESE COMPDS. ON CHICKENS DOES NOT EXCEED THE TOXICITY OF I IR EQUALS H): HOWEVER NONE HAS BETTER COCLIDOSTATIC ACTIVITY THAN 1 (R EQUALS H). FACILITY: GOS. NAUCH.-KONTR. INST. VET. 9.

UNCLASSIFIED

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

as ans seas para o most e recentrius ans anument un moi en et un correction un principe. El principe de la correction de la c

USSR

UDC 621.378.33+535.8:535.241.13

NIKOLAYEV, I. V., KOBLOVA, M. M.

"Modulation of Optical Radiation on a Wavelength of 10.6 μ "

Moscow, Kvantovava Elektronika, No 2, 1971, pp 57-64

Abstract: The authors investigated the optical and electro-optical properties of crystals of gallium arsenide (GaAs), and of cadmium sulfide, selenide and telluride (CdS, CdSe and CdTe) which are transparent on a wavelength of 10.6 µ. The crystals were studied to see if they could be used to modulate emission from lasers operating on a mixture of CO2, He and N2. The effectiveness of the crystals is compared with respect to the results of measurements. Computational formulas are presented and modulator designs are described. It was found that emission from a CO2 laser can be modulated and that cadmium telluride is a promising material for this purpose. Further research is needed to find more effective materials and to develop circuits which enable a reduction in the controlling voltage using the same electro-optical materials. Six illustrations, two tables, bibliography of ten titles.

1/1

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

UDC 621.375.82

MIKAELYAN, A. L., KOBLOVA, M. M., ZASOVIN, E. A.

"Investigation of a Deflection System for a Ray Based on Lithium Niobate Crystals"

V sb. Kvant. elektronika (Quantum Electronics -- Collection of Works), No. 1, Moscow, 1971, pp 120-124 (from RZh-Fizika, No 7, Jul 71, Abstract No 7D1143)

Translation: A discrete 10-cascade system for the deflection of laser radiation using lithium niobate crystals and Iceland spar was investigated. The beam was displaced at the output in two planes, forming a 32×32 matrix. The controlling voltage was equal to 1 kv. Authors abstract.

1/1

... 1111

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

UDC: 621.376:530.145.6

MIKAELYAN, A. L., KOBLOVA, M. M., ZASOVIN, E. A.

"Study of a Beam Deflection System Based on Lithium Niobate Crystals"

V sb. Kvant. elektronika (Quantum Electronics--collection of works), No 1, Moscow, 1971, pp 120-124 (from RZh-Radiotekhnika, No 5, May 71, Abstract No 5D175)

Translation: The authors investigate a discrete ten-stage beam deflection system utilizing crystals of lithium niobate and Iceland spar. The beam is displaced in two planes at the output, forming a matrix of 32 × 32. The controlling voltage is 1 kV. Four illustrations, bibliography of two titles.

1/1

NECES DESCRIPTION OF THE SECOND CONTROL OF THE PROPERTY OF THE

USSR

SHLYKOV, Yu. P., KOBLYAKOV, A. N.

"Heat Transfer with Forced Turbulent Flow of a Fluid at Supercritical Parameters"

Teplo. i Massoperenos. T. 2, Ch. 1 [Heat and Mass Transfer, Vol 2, Part 1 -- Collection of Works], Minsk, 1972, pp 3-15, (Translated from Referativnyy Zhurnal, Mekhanika, No 10, 1972, Abstract No 10 B808, by V. D. Vilenskiy).

Translation: Results are presented from a theoretical study of heat transfer as a fluid with supercritical state parameters flows through a pipe. The integral expression for the Nusselt number in the area of heat exchange stabilized over the length is used in the calculations. The turbulent transfer factor is described by Reichardt dependences, into which the dimensionless distance from the wall is introduced as

$$y^{++} = V \cdot \frac{1}{\epsilon V v \cdot \epsilon} \int_{V v}^{\mu} \frac{dy}{V v}$$

where y is the distance from the wall, ν , ν_c are the local value and value at the wall of kinematic viscosity factor, V^*_c is the dynamic velocity. 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

USSR

SHLYKOV, Yu. P., KOBLYAKOV, A. N., Teplo. i Massoperenos. T. 2, Ch. 1, Minsk, 1972, pp 3-15.

Calculations are performed for the flow of water in a pipe 10 mm in diameter with a pressure of 245 bar and various values of mass velocity. The results show that for certain modes, heat transfer worsens. An analysis of the results produced is presented. An empirical dependence is presented, summarizing the results of calculations and certain experimental data.

2/2

10 -

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

3

USSR

UDC: 536.24:532.54

BARULIN, Yu. D., VIKHREV, Yu. V., DYADYAKIN, B. V., KOBLYAKOV, A. N. KON'KOV, A., LOKSHIN, V. A., SINITSYN, I. T., Editorial Staff of Inzh. fiz. zh., Academy of Sciences of the Belorussian SSR

"Heat Exchange During Turbulent Flow of Water With Supercritical Parameters of State in Vertical and Horizontal Pipes"

Teplootdacha pri turbulentnom techenii v vertikal'nykh i gorizontal'nykh trubakh vody sverkhkriticheskikh parametrov sostovaniya (cf. English above), Minsk, 1970, 16 pp, ill. (No 2315-70 Dep.) (from RZh-Mekhanika, No 4, Apr 71, Abstract No 48739 DEP)

Translation: The paper presents the results of an experimental study of heat transfer during rising, descending and horizontal flow of water with supercritical parameters of state in circular tubes. The experimental values of the coefficients of heat transfer were found in the following ranges of working parameters: pressure 225-265 bars; mass flowrates 480-5000 kg/cm²·s; Reynolds number (12.5-450)·10³; specific thermal load 0.2-6.5 MW/m²; flow temperature +50-500°C; wall temperature +60-750°C; inside

1/2

- 60 -

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

BARULIN, Yu. D. et al., Teplootdacha pri turbulentnom techenii v vertikal'nykh i gorizontal'nykh trubakh vody sverkhkritichskikh parametrov sostoyaniya, Minsk, 1970 (No 2315-70 Dep.)

diameter of the tubes (3, 8, 20)·10⁻³ m; relative length up to 300. Experimental data are obtained on the effect which the direction of motion of the liquid flow has on heat exchange in the supercritical region. A study is made of the nature of the change in the coefficient of heat exchange on the initial section and around the perimeter of horizontal tubes. Bibliography of twelve titles. Authors' abstract.

2/2

USSR

UDC 612.84:358.4

KOBLYANSKIY, V. V., Candidate of Medical Sciences, Lt Col Med Serv

"Changes in the Functional State of Fliers' Visual Analysors"

Moscow, Voyenno-Meditsinskiy Zhurnal, No 10, 1972, pp 68-70

Abstract: The author describes a method for studying the changes in the functional state of the visual analysor of fighter pilots as they go through their duties under various conditions of illumination, during the day, at night, and with sharply varying brightness. The data used in the study related to keenness of vision, the rate of adaptation to darkness, the critical capacity for blending flashes, and the electrical sensitivity of the eye. Subjects of the research were 26-32 years old, were healthy and capable of service under any conditions. No significant variation in the average rate of adaptation to darkness was observed. Information regarding the dynamics of the critical the shifts in the functional state of the visual analysor and the central nervous system. A second group of fliers was used to study the functional state of the visual analysor in night flights, and still a third was used to study changes in visual functions during night flights with drastic variations in brightness levels. Results of the tests are given in tabular form.

1/2 021 TITLE-THERMODYNAMICS OF METHYLHEXANE ISOMERIZATION -U-UNCLASSIFIED PROCESSING DATE--090CT70

AUTHOR-(04)-RUGANOV, G.N., KOBU, G.YA., ANDREYEVSKIY, D.N., NIKULIN, K.V.

COUNTRY OF INFO-USSR

SOURCE-NEFTEKHIMIYA 1970, 10(1), 16-21

DATE PUBLISHED----70

SUBJECT AREAS-CHEMISTRY

TOPIC TAGS-THERMODYNAMICS, HEXANE, ALKYL RADICAL, ISOMERIZATION, PHASE

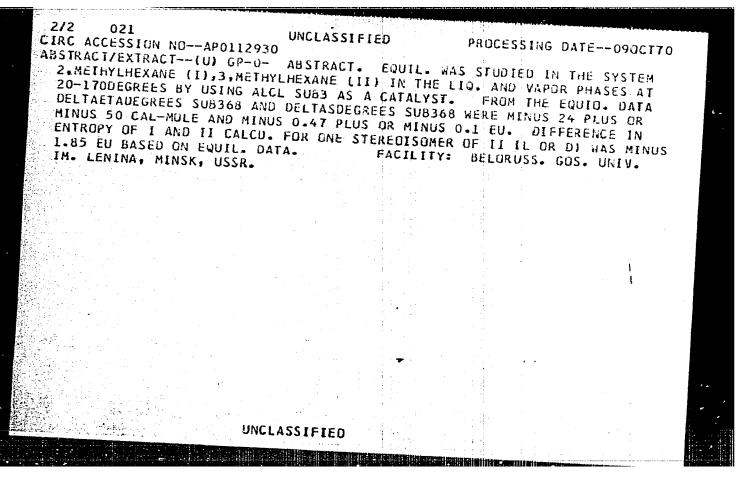
CONTROL MARKING-NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PRUXY REEL/FRAME-1992/1966

STEP NO--UR/0204/70/010/001/0016/0021

CIRC ACCESSION NO--APOII2930

UNCLASSIFIED



Explosives and Explosions

USSR

UDC 541.124/.128

STRAKHOV, B. V. LEBEDEV, V. P. (DECEASED), and KOBOZEY, N. I. Moscow State University imeni M. V. Lomonosov, Moscow, Ministry of Higher and Secondary Specialized Education ASFSR

"Explosive Oxidation of Nitrous Oxide in Mixtures with Ozone"

Moscow, Zhurnal Fizicheskoy Khimii, Vol 44, No 7, Jul 70, pp

Abstract: The formation of NO upon explosion of N_2 0 + O_3 mixtures by means of an electric spark was studied. At an initial pressure of 200 mm Hg, the maximum yield of NO (14.9 vol %) was obtained at 40 vol % 03. For mixtures with a constant 03 content of 40 vol %, the maximum yield of NO in the 0-900 mm Hg pressure range was at 200 mm Hg. Partial replacement of N_20 with N_2 lowered the yield of NO. Calculations on the assumption that the reaction proceeded by the mechanism $N_2 + 0_2 + 2NO$ after decomposition of N20 led to results which did not agree with data on the reaction equilibrium obtained in the experiments. The experimental results could be explained satisfactorily with respect to development of an NO yield maximum and the position of this maximum by assuming the mechanism N_2) + 1/2 $O_2 = 2 NO$; $2NO > N_2 + O_2$. 1/1 and the second state of the substance of

1/2 016 UNCLASSIFIED PROCESSING DATE--20NOV70
TITLE--RECGVERY OF ENERGY DURING CATALYSIS ON ADSORPTION CATALYSTS. II.

AUTHUR-(04)-FCMINA, A.P., SHEKHUBALOVA, V.I., POSPELOVA, T.A., KOBOZEV.

COUNTRY OF INFO-USSR

SGURCE-ZH. FIZ. KHIM. 1970, 44(2), 366-9

DATE PUBLISHED----70

SUBJECT AREAS -- CHEMISTRY

TOPIC TAGS-PLATINUM, CATALYSIS, CATALYTIC DECOMPOSITION, HYDROGEN PERGXIDE

CENTROL MARKING-NO RESTRICTIONS

DGCUMENT CLASS—UNCLASSIFIED PROXY REEL/FRAME--3002/1187

STEP NO--UR/0076/70/044/002/0366/0369

CIRC ACCESSION NG--APO128605

UNCLASSIFIED

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R001401410009-1"

2/2 016 UNCLASSIFIED CIRC ACCESSION NO-APOL28605 PROCESSING DATE-- ZONOV7C ABSTRACT/EXTRACT--(U) GP-0- ABSTRACT. CURVES OF SP. ACTIVITY FOR 2 SERIES OF ADSORPTIONAL PT CATALYSTS FOR THE DECOMPN. OF H SUB2 O SUB2 WERE ANALYZED. THE CATALYSTS WERE PT-SIO SUB2 WITH SURFACE AREA 180 OR 375 M PRIMEZ-G. THE CURVES SHOWED AN INCREASE OF SP. ACTIVITY AT HIGHER CONCNS. OF PEROXIDE. , RESULTS INDICATED THE PRESENCE OF 2 TYPES OF ACTIVE CENTERS DURING THE REACTION: (PT SUBI) TYPICAL FOR CATALYTIC PROCESS, AND (PT SUB2) MORE COMPLEX AND WHICH PLAYS A BASIC ROLE IN THE EFFECT OF THE RECOVERY (OR RECUPERATION) OF ENERGY IN THE H SUB2 O SUB2 CATALYSIS. THE PARABOLIC SHAPE OF THE ACTIVITY CURVES, I.E., INCREASE HIGHER ISCTHERMIC ENERGY EVOLUTION ACTIVATION AS A RESULT OF HIGHER H SUB2 G SUB2 CONCNS., EVIDENCED A HIGH ENERGETIC ACTIVATION OF PT CENTERS CN THE CARRIER AS THE PT CENTERS DREW CLOSER. THUS, THE ENERGY LIBERATED IN EXOTHERMIC REACTION IS, APPARENTLY, PARTIALLY RECOVERED AND UTILIZED TO INCREASE THE YIELD PRODUCED BY ACTIVE CENTERS. THE RESULTS. THEREFORE, APPEAR CONSISTENT WITH THE THEORY OF ENERGY RECUPERATION INCATALYSIS. DEVELOPED BY V. V. MAZHUGA (1967). GOS. UNIV. IM. LOMONOSOVA, MUSCOW, USSR. FACILITY: MOSK.

UNCLASSIFIED.

TITLE-NEUROPHYSIOLOGICAL CHARACTERISTIC OF THE LEMNISCUS NEURONS OF THE ALTHOR-KOBUZEV, V.S.

CCUNTRY OF INFO--USSR

1/2

SCURCE-AKADEMIIA NAUK SSSR, DUKLADY, VOL. 191, APR. 11, 1973, P. DATE PUBLISHED-LIAPRIC

SUBJECT AREAS--BIOLOGICAL AND MEDICAL SCIENCES

TOPIC TAGS -- NEURON, BRAIN, NEUROPHYSIOLOGY, SENSORY PHYSIOLOGY

CENTROL MARKING-NO RESTRICTIONS

DOCUMENT CLASS--UNCLASSIFIED PROXY REEL/FRAME--3003/1484

STEP NO--UR/0020/70/191/003/1189/1192

PROCESSING DATE--20NOV70

CIRC ACCESSION NO--ATC130413

UNCLASSIFIED ..